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25X3

11/28/63

11 March 1963

Copy 2 of 10

25X1

MEMORANDUM FOR: Chief, Defensive Systems Division, OSI

ATTENTION:

FROM: Chief, CIA/PID (MPIC)

SUBJECT: SAM Site Evaluation

REFERENCE: (a) Requirement OSI/R-26/63
(b) CIA/PID Project C 108-63

1. This memorandum is in answer to your requirement dated 23 January 1963 which requested a re-evaluation of existing SAM SA-2 sites and a search for new sites within specific areas of the USSR. These specific areas included:

- a. Kaliningrad--Riga--Leningrad--Finnish Border--Murmansk
- b. Ural Area--Kyshtym--Perm--Nizhnaya Tura--Tyumen
- c. Southern Border--Gdansk through Scarpalatinsk
- d. Vladivostok Area
- e. Petropavlovsk Area

2. A total of 320 SA-2 SAM sites were checked (See Table I) on 28 WAC charts. Although not part of this study, a group of previously reported "NEW TYPE" SAM sites are shown in Table II.

A total of 11 SAM sites (See Table III) have unusual overall pad-to-pad dimensions. Two of these sites are on Kola Peninsula, and the remaining nine sites are in the Petropavlovsk area. Figures 1 through 11 photographically show the different physical appearances of the Petropavlovsk area sites during [redacted] 25X1
[redacted] Figures 12 and 13 25X1
photographically show the physical appearances of the Kola Peninsula SAM sites during [redacted] 25X1
[redacted] No repetitive coverage is available for these two sites.

A group of four unusual SAM sites are shown in Table IV, Figures 14 and 15. These sites, while not having unusual dimensions, have unusual physical characteristics. The sites at Arkogay, Kachka, and Makbachkala have nearby construction activity which may be additional sites. The Dolon Airfield SAM site was included due to the appearance of six missile hold revetments.

Declass Review by NGA.

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[REDACTED]
H/ES 83/63

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3. The photo analyst on this project is [REDACTED] and he may be contacted on extension [REDACTED] should you have any further questions concerning this project.

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4. This project is considered to be complete.

Enclosures:

- 1 - Tables I through IV
- 2 - One set of fifteen (15) graphics

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TABLE I
SA-2 SAM SITES CHECKED

<u>WAC</u>	<u>Number of SAMs Checked</u>	<u>Odd Configurations</u>
51	15	2 (Murmansk)
91	1	0
92	19	0
103	17	0
152	2	0
153	41	0
155	6	1 (Glazov)*
156	24	0
164	22	0
168	11	0
169	7	0
194	8	5 (Petrovsk)
238	3	0
239	6	0
244	10	2 (Aktogay)
248	2	0
249	16	0
250	16	0
282	8	0
291	16	0
323	3	0
324	8	0
325	21	1 (Makhachkala)
326	2	0
328	18	0
329	6	0
338	11	1 (Kakhka)
339	1	0
Totals	320	12

* Previously reported

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TABLE II*
SAM SITES

Site	Coordinates	Pad To Pad Dimensions	Remarks
Plesetsk, USSR B-36A	63-14N 40-34E	700 feet	
Plesetsk, USSR B-06A	63-07N 41-06E	585 feet	
Kuressaare, USSR B-07	58-22N 22-54E	650 feet	Old SA-2 site expanded
Bratsk Dam, USSR B-31	56-12N 101-30E	unavailable	
Glazov, USSR B-28	58-10N 52-10E	625 feet	
Tyura Tam, USSR			
B-13A	45-48N 63-44E		
B-21A	45-43N 63-19E	550 feet	
B-32A	46-04N 63-15E	550 feet	
B-08A	45-59N 63-52E		
B-26A	45-52N 62-59E	550 feet	
B-13B	45-48N 63-44E	650 feet	
B-03A	46-09N 63-37E	550 feet	
Kapustin Yar, USSR	48-24N 46-15E	660 feet	

All "New Type" sites dimensionally. All are co-located within the range 700 to 2500 feet of a standard SA-2 site.

* Condensed from NPIC/R-123/62, Aug 1962

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TABLE III*
SAM SITES

Figure No.	Site	Coordinates	Pad To Pad Dimensions	Remarks
1	Khutor B-28	53-02N 158-18E	520 feet	Only apparent change was a slightly
1	Khutor B-28A	53-02N 158-18E	no pads	larger pad to pad measurement on
2	Khutor B-28	53-02N 158-18E	560 feet	 The configuration of B-28A 25X1
2	Khutor B-28A	53-02N 158-18E	no pads	had not changed since 25X1
3	Petropavlovsk South A-20	52-54N 158-37E	450 feet	A-20A located 1½ nm south of A-20 large
4	Petropavlovsk South A-20	52-54N 158-37E	470 feet	cleared area 1000 feet in diameter NAC
				at A-20
5	Petropavlovsk South A-20A	52-52N 158-37E	475 feet	
6	Petropavlovsk Southeast A-16	52-55N 158-35E	385 feet	NAC at A-16. A-16A not seen on 25X1
7	Petropavlovsk Southeast A-16	52-55N 158-35E	400 feet	A-16A has general size and shape c
7	Petropavlovsk Southeast A-16A**	52-55N 158-35E	430 feet	figuration of SA-2 located close to
				A-16 on ridge.
8	Petropavlovsk Northeast A-06	52-05N 158-51E	535 feet	A-06A is new pads placed outside of
9	Petropavlovsk Northeast A-06	52-05N 158-51E	550 feet	the old on site A-06. The cleared
9	Petropavlovsk Northeast A-06A**	52-05N 158-51E	680 feet	area now measures 1000 feet.

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Table III continued

10	Yelizovka North C-32	53-20N 158-12E	500 feet
11	Yelizovka North C-32	53-20N 158-12E	no visible pads
12	Murmansk, USSR B-10	68-55N 33-41E	520 feet
13	Olenya B-11	68-04N 34-08E	645 feet

Site looked temporary in Site
appears to have disappeared
B-10 is similar to Kuresaare and
Glazov. B-11 is new configuration
seen nowhere else.

* Significant sites summarized from this study

** Newly identified

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TABLE IV*
SAM SITES

<u>Figure No.</u>	<u>Site</u>	<u>Coordinates</u>	<u>Pad To Pad Dimensions</u>	<u>Remarks</u>
	Aktogay Site B-02	47-09N 79-43E	<div style="border: 1px solid black; width: 100px; height: 150px; margin: 0 auto;"></div>	
14	Aktogay Site B-02A	47-10N 79-42E		Suspect site because of co-location with conventional SA-2. B-02A approximately 1.2 nm SSE of B-02.
**	Dolon Airfield Site A-15	50-23N 79-21E		Appears to have six hold revetments.
15	Kaakhka Site A-01	37-22N 59-37E		Construction activity south of SA-2 site in radial pattern.
**	Makhachkala A-14	42-56N 47-34E		Additional construction activity.

* Possible co-location of sites

** No graphic available